

Docket No. 50-324

September 22, 1976

DISTRIBUTION:

Docket
X NRC PDR
Local PDR
ORB #1 Reading
KRGoller/TJCarter
SMSheppard
CMTrammell
OELD
OI&E(2)
ACRS(16)
OPACMiles)
TBAbernathy
JRBuchanan
VStello

Carolina Power & Light Company
ATTN: Mr. J. A. Jones
Executive Vice President
336 Fayetteville Street
Raleigh, North Carolina 27602

Gentlemen:

The Commission has filed the enclosed "Notice of Proposed Issuance of Amendment to Facility Operating License" with the Office of the Federal Register for publication. This notice relates to your request of June 30, 1976, to eliminate the requirement to inert the primary containment atmosphere with nitrogen during reactor power operation.

Sincerely,

Original signed by

A. Schwencer, Chief
Operating Reactors Branch #1
Division of Operating Reactors

Enclosure:
Federal Register Notice

cc w/enclosure:
See next page

OFFICE >	ORB #1	OELD	ORB #1			
x27433	CMTrammell:tsb	lowtelb	ASchwencer			
SURNAME >						
DATE >	8/5/76	9/22/76	9/22/76			

September 22, 1976

cc: Richard E. Jones, Esquire
Carolina Power & Light Company
336 Fayetteville Street
Raleigh, North Carolina 27602

George F. Trowbridge, Esquire
Shaw, Pittman, Potts & Trowbridge
910 17th Street, N. W.
Washington, D. C. 20006

John J. Burney, Jr., Esquire
Burney, Burney, Sperry & Barefoot
110 North Fifth Avenue
Wilmington, North Carolina 28401

Southport - Brunswick County Library
109 W. Moore Street
Southport, North Carolina 28461

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-324

CAROLINA POWER & LIGHT COMPANY

NOTICE OF PROPOSED ISSUANCE OF AMENDMENT
TO FACILITY OPERATING LICENSE

The U. S. Nuclear Regulatory Commission (the Commission) is considering issuance of an amendment to Facility Operating License No. DPR-62 issued to Carolina Power & Light Company (the licensee) for operation of the Brunswick Steam Electric Plant, Unit No. 2 (the facility) located in Brunswick County, North Carolina.

The amendment would eliminate the requirement to inert the primary containment atmosphere with nitrogen during reactor power operation. The amendment is proposed by the licensee's application for amendment dated June 30, 1976.

Prior to issuance of the proposed license amendment, the Commission will have made the findings required by the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations.

By November 1, 1976 the licensee may file a request for a hearing and any person whose interest may be affected by this proceeding may file a request for a hearing in the form of a petition for leave to intervene with respect to the issuance of this amendment to the subject facility operating license. Petitions for leave to intervene must be filed under oath or affirmation in accordance with the provisions of Section 2.714 of 10 CFR Part 2 of the Commission's regulations. A petition for leave to

intervene must set forth the interest of the petitioner in the proceeding, how that interest may be affected by the results of the proceeding, and the petitioner's contentions with respect to the proposed licensing action. Such petitions must be filed in accordance with the provisions of this FEDERAL REGISTER Notice and Section 2.714, and must be filed with the Secretary of the Commission, U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Docketing and Service Section, by the above date. A copy of the petition and/or request for a hearing should be sent to the Executive Legal Director, U. S. Nuclear Regulatory Commission, Washington, D. C. 20555 and to Richard E. Jones, Esquire, Carolina Power & Light Company, 336 Fayetteville Street, Raleigh, North Carolina 27602, attorney for the licensee.

A petition for leave to intervene must be accompanied by a supporting affidavit which identifies the specific aspect or aspects of the proceeding as to which intervention is desired and specifies with particularity the facts on which the petitioner relies as to both his interest and his contentions with regard to each aspect on which intervention is requested. Petitions stating contentions relating only to matters outside the Commission's jurisdiction will be denied.

All petitions will be acted upon by the Commission or licensing board, designated by the Commission or by the Chairman of the Atomic Safety and Licensing Board Panel. Timely petitions will be considered to determine whether a hearing should be noticed or another appropriate order issued regarding the disposition of the petitions.

In the event that a hearing is held and a person is permitted to intervene, he becomes a party to the proceeding and has a right to participate fully in the conduct of the hearing. For example, he may present evidence and examine and cross-examine witnesses.

For further details with respect to this action, see the application for amendment dated June 30, 1976, which is available for public inspection at the Commission's Public Document Room, 1717 H Street, N. W., Washington, D. C. and at the Southport-Brunswick County Library, 109 W. Moore Street, Southport, North Carolina 28461.

Dated at Bethesda, Maryland, this 22nd day of September 1976.

FOR THE NUCLEAR REGULATORY COMMISSION



A. Schwencer, Chief
Operating Reactors Branch #1
Division of Operating Reactors

PRELIMINARY DETERMINATION
NOTICING OF PROPOSED LICENSING AMENDMENT

LICENSEE: Carolina Power and Light Company

REQUEST FOR: Technical Specification changes to delete the requirement to inert the containment with nitrogen.

REQUEST DATE: June 30, 1976

PROPOSED ACTION: Pre-notice Recommended
 Post-notice Recommended
 Determination delayed pending
 completion of Safety Evaluation

BASIS FOR DECISION: The Technical Specifications for Brunswick Unit 2 currently require that the containment atmosphere be inerted with nitrogen gas* to reduce the oxygen concentration to a level which would prevent the formation of an explosive mixture of hydrogen and oxygen following a LOCA.

The licensee proposes to delete the inerting requirement and utilize the existing containment atmosphere dilution (CAD) system for post-LOCA hydrogen concentration control. Since the CAD system is utilized for this purpose whether the containment is inerted or not, the proposal represents a significant relaxation of a Limiting Condition for Operation. In addition, containment venting must be initiated within 6 days instead of 22 days - at higher flow rates, and with somewhat increased off-site doses. Based on this, this action involves a significant hazards consideration and should be pre-noticed.

*Commencing when the startup program is completed, about September 1, 1976.

- Proposed NEPA Action:
- () EIS Required
 - () Negative Declaration (ND) and Environmental Impact Appraisal (EIA) Required
 - (X) No EIS, ND or EIA Required
 - () Determination delayed pending completion of EIA

BASIS FOR DECISION: This amendment request involves the subject of accident doses only for a Class 8 event (LOCA). There would be no increase in the amounts of effluents for normal operation, and therefore no EIS, ND, or EIA is required. See 10 CFR Section 51.5(b)(2).

CONCURRENCES:	DATE:
1. <u>CMTrammell</u> <i>AS/for</i>	<u>8-10-76</u>
2. <u>A. Schwencer</u> <i>AS</i>	<u>8-10-76</u>
3. <u>K. R. Goller</u> <i>KRG</i>	<u>9/20/76</u>
4. <u>OELD*</u> <i>Mitchell</i>	<u>9/21/76</u>

* EIA required.